

Appln. No. 10/689,139

Docket No. 304-815

Amendment

Reply to Office Action dated April 20, 2005

**AMENDMENTS TO THE SPECIFICATION**

[0036] The conductive areas 313 and consequently also the sensor element surface 314 and electrical contact face 315 are here have an elongated oval shape. However, this is unimportant and is essentially variable. As in fig. 2 insulating areas 317 are located between the conducting areas.

[0040] The plate-like sensor element device 411 according to fig. 5 can now be split by cutting into elongated, strand-like sensor element devices corresponding to fig. 2. It is possible to cut or separate in accordance with the dot-dash lines. These dot-dash lines are perpendicular to the longitudinal extension of the conductive areas 413. The thus obtained strand-like sensor element devices can then be cut to length in accordance with the broken lines. The embodiment of fig. 5 provides for a subdivision into blocks of two (420) and four (421), i.e. with in each case two or four conductive areas 413.

[0042] The embodiment illustrated in fig. 6 shows how a sensor element device 11 like that of fig. 1 can be used. Besides not shown electronics and further components, a printed circuit board 30 carries contact banks 32, which can e.g. be built up from the conducting tracks. Upwardly projecting contact pins 33 may be provided, in order to produce electrical contact between the contact banks 32 and the conducting areas.